Listing of Claims

This Listing of Claims shall replace all prior versions and listings of claims in the application.

1-18. (Cancelled).

19. (Previously Presented) An isolated polynucleotide molecule comprising:

(i) a nucleotide sequence encoding the polypeptide sequence of SEQ ID NO: 19; and

(ii) a nucleotide sequence encoding the polypeptide sequence of SEQ ID NO: 2.

20. (Original) The isolated polynucleotide molecule of claim 19 comprising a nucleotide sequence having the sequence of SEQ ID NO: 18.

21. (Cancelled)

22. (Previously Presented) A host cell comprising the isolated polynucleotide molecule of claim 19.

23. (Previously Presented) A host cell comprising a vector comprising an isolated polynucleotide molecule comprising a nucleotide sequence encoding the polypeptide of SEQ ID NO: 19, wherein said host cell is NRRL B30360.

24. (Previously Presented) A method for selecting a transformed host cell comprising:

(a) transforming a *Corynebacterium* species host cell with a vector comprising a polynucleotide molecule comprising a nucleotide sequence encoding the amino acid sequence of SEQ ID NO: 19 and the amino acid sequence of SEQ ID NO: 2, wherein following transformation said polynucleotide molecule is integrated into the chromosome of said host cell, and

(b) selecting a transformed host cell.

25-37. (Cancelled).

38. (Previously Presented) The isolated polynucleotide molecule of claim 20, further comprising a nucleotide sequence having the sequence of SEQ ID NO: 1.

39. (Previously Presented) An isolated polynucleotide molecule comprising:

(a) the polynucleotide molecule of claim 19;

(b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO: 4;

(c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO: 6; and

(d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8.

40. (Previously Presented) An isolated polynucleotide molecule comprising:

(a) the polynucleotide molecule of claim 19;

(b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8; and

(e) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10.

41. (Previously Presented) An isolated polynucleotide molecule comprising:

(a) the polynucleotide molecule of claim 19;

(b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8;

(e) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10; and

(f) a nucleic acid molecule encoding the 'lysA amino acid sequence of SEQ ID NO:21.

42. (Previously Presented) An isolated polynucleotide molecule comprising:

(a) the polynucleotide molecule of claim 20;

(b) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(c) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(d) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8;

(e) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10; and

(f) a nucleic acid molecule encoding the lysA amino acid sequence of SEQ ID NO:14.

43. (Previously Presented) The method of claim 24, wherein said isolated polynucleotide molecule further comprises at least one nucleic acid molecule selected from the group consisting of:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8;

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10;

(e) a nucleic acid molecule encoding the 'lysA amino acid sequence of SEQ ID NO:21; and

(f) a nucleic acid molecule encoding the lysA amino acid sequence of SEQ ID NO:14.

44. (Previously Presented) The method of claim 24, wherein said isolated polynucleotide molecule further comprises:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6; and

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8.

45. (Previously Presented) The method of claim 24, wherein said isolated polynucleotide molecule further comprises:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8; and

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO: 10.

46. (Previously Presented) The method of claim 24, wherein said isolated polynucleotide molecule further comprises:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8;

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10; and

(e) a nucleic acid molecule encoding the 'lysA amino acid sequence of SEQ ID NO:21.

47. (Previously Presented) The method of claim 24, wherein said isolated polynucleotide molecule further comprises the following:

(a) a nucleic acid molecule encoding the asd amino acid sequence of SEQ ID NO:4;

(b) a nucleic acid molecule encoding the dapA amino acid sequence of SEQ ID NO:6;

(c) a nucleic acid molecule encoding the dapB amino acid sequence of SEQ ID NO:8;

(d) a nucleic acid molecule encoding the ddh amino acid sequence of SEQ ID NO:10; and

(e) a nucleic acid molecule encoding the lysA amino acid sequence of SEQ ID NO:14.